



**DESCRIPTION OF SCHEMATIC DIAGRAM**

**SAFETY NOTE:**

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

**IMPORTANT SAFETY NOTICE:**

PARTS MARKED WITH "  " (  ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

**Service precaution:**

The area enclosed by this line (— · — · —) is directly connected with AC Mains Voltage. When servicing the area connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

**NOTE:**

1. The unit of resistance "ohm" is omitted (k = 1000 ohms, M = Megaohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors  $\mu\text{F}$ , unless otherwise noted ( $p = \mu\mu\text{F}$ ).

**VOLTAGE MEASUREMENT CONDITIONS**

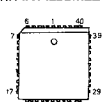
1. Voltages in parenthesis measured with no signal.
2. Voltages without parenthesis measured with 3 mV B & W or Colour-Signal.
3. All the voltages in each point are measured with Vacuum Tube Voltmeter.

**WAVEFORM MEASUREMENT CONDITIONS**

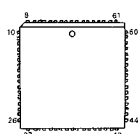
Colour bar generator signal of 70 dB from RF input.

**SOLID STATE DEVICE BASE DIAGRAM**

RH-IX1431BMZZ  
RH-IX1432BMZZ  
RH-IX1433BMZZ  
RH-IX1403BMZZ  
RH-IX1405BMZZ  
RH-IX1406BMZZ  
RH-IX1407BMZZ  
RH-IX1423BMZZ



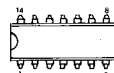
RH-IX1411BMZZ



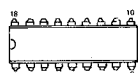
CH-IX1409CJH7  
VHIJUC358CJ-1  
RH-IX1420BMZZ



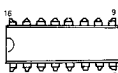
RH-IX1422BMZZ



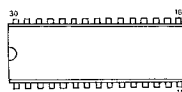
RH-IX1401BMZZ



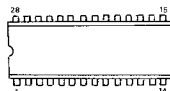
RH-IX1434BMZZ  
RH-IX1410BMZZ



RH-IX1286CEZZ



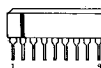
CH-IX1412CJH2



VHIM5218L/-1  
VHILA7016/-1



RH-IX1400BMZZ  
VHIUPC1406HA1



RH-IX1416BMZZ



RH-IX1413BMZZ



RH-IX1184BMZZ  
RH-IX1185BMZZ



VHIPST529C2-1



VS2SA1015V/1E  
VS2SC1815GW-1  
VS2SC1906/1E



VS2SC2271-D1A  
VS2SA93QR/1E



VS2SD1913S/1E



VS2SD1546/1E  
VS2SD1554/2E



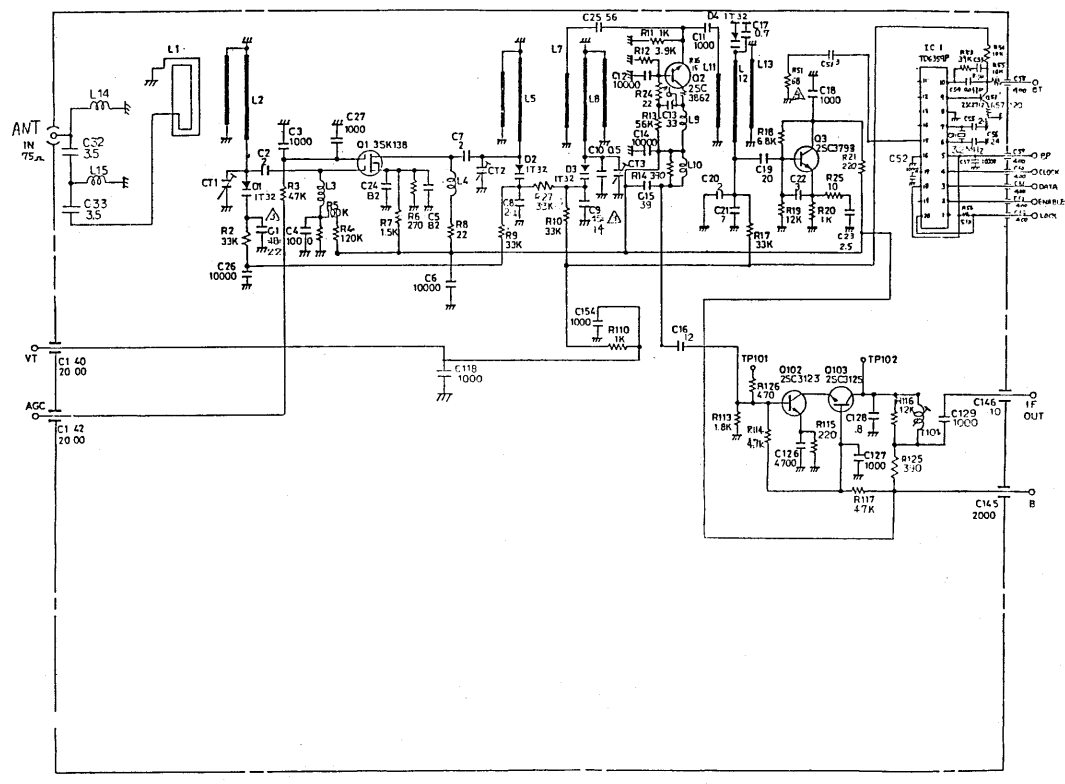
VS2SA1037KQ-1  
VS2SC2412KQ-1  
RH-TX0113BMZZ



(SMD COMPONENT)

# TUNER

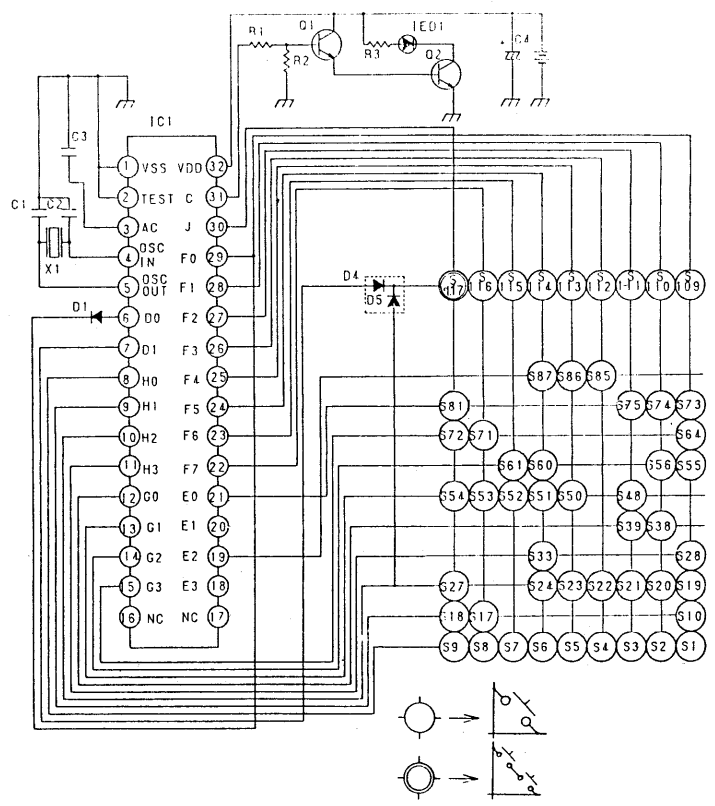
## VTUVTSA7BPL//



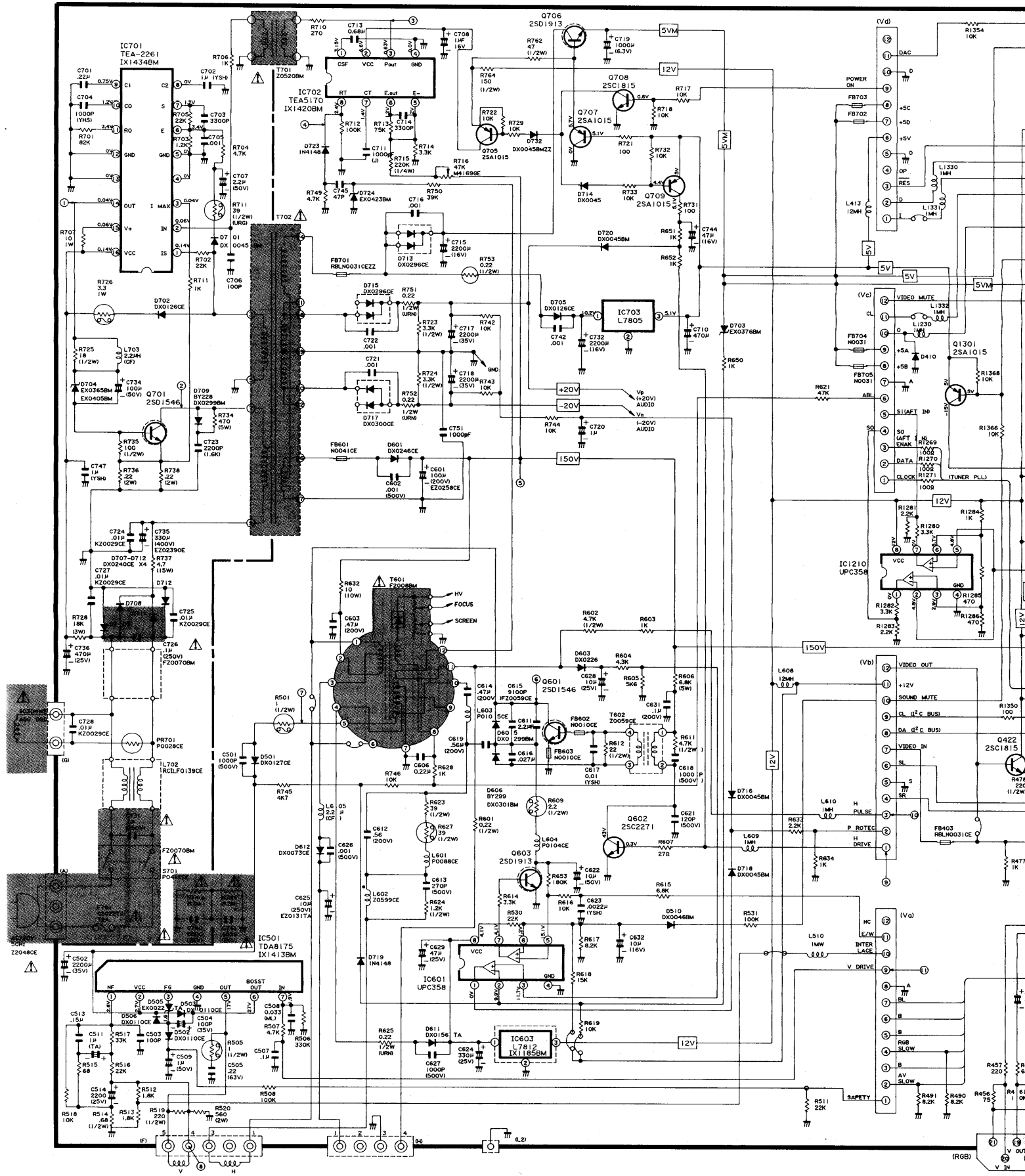
# INFRARED REMOTE CONTROL UNIT SCHEMATIC DIAGRAM

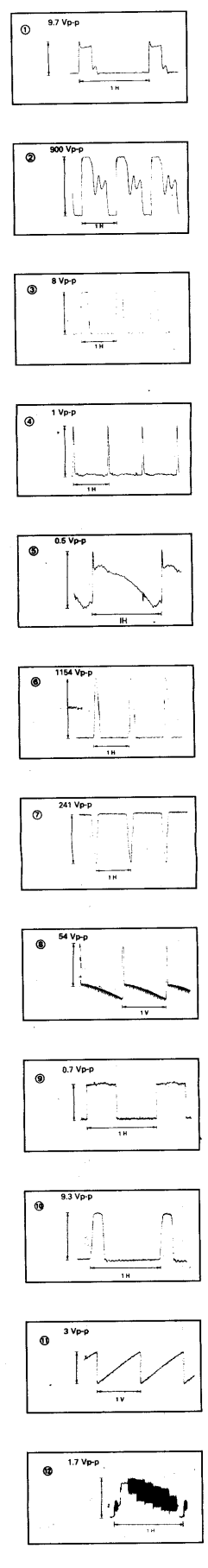
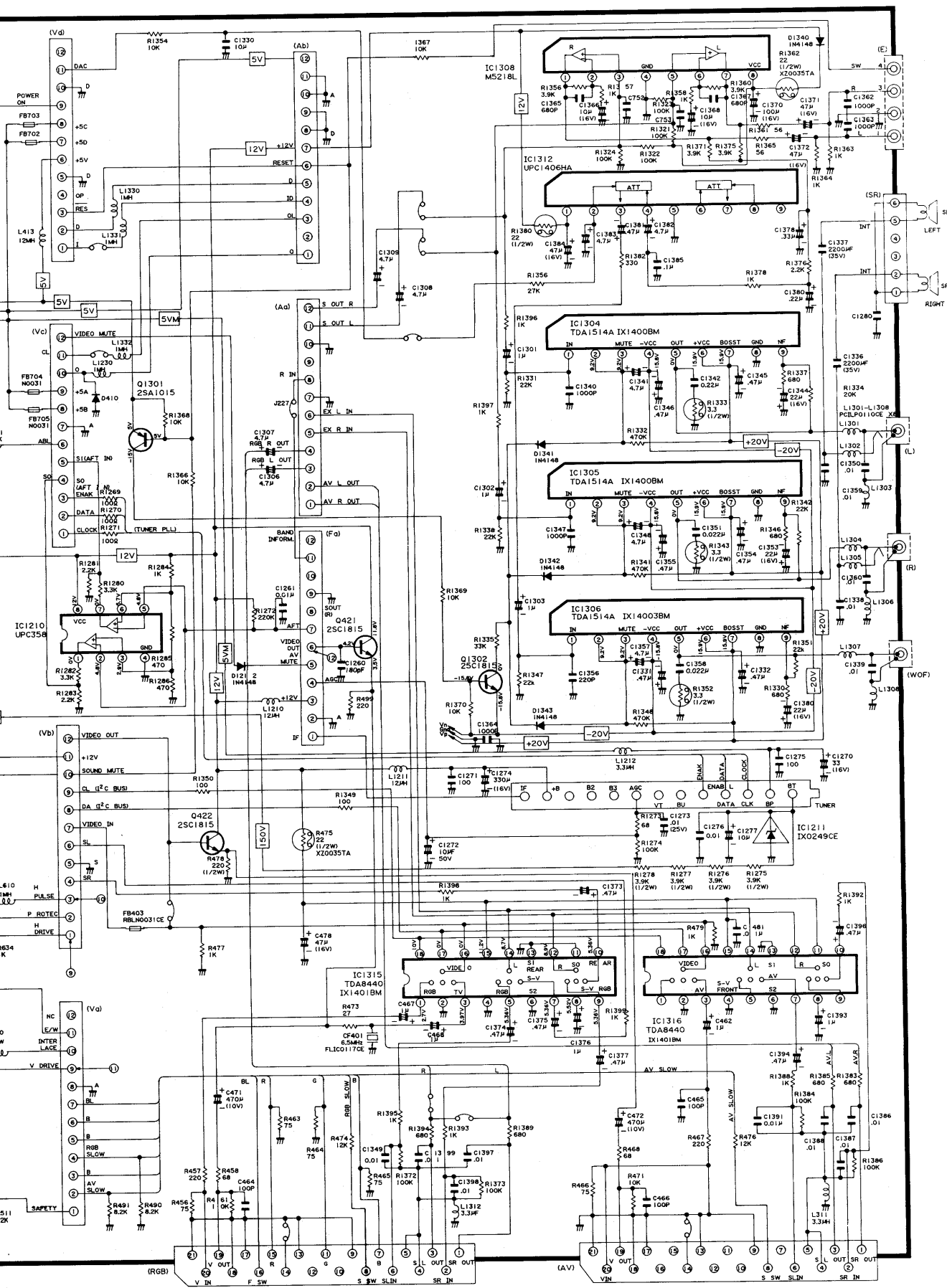
## RRMCG1005BMSA

DL	DAN202K
104.53(06,7)	GL-521
IED1	GL-521
X1	CSB455EBL
Q2	2SC2411KT97
Q1	2SC2412K
R3	1.5Ω (1/4W)
R2	22KΩ (1/10W)
R1	2.2KΩ (1/10W)
C4	47μF 6.3V
C3	0.1μF
C1, 2	100μF
IC1	MS0461-056FP (1X0733PA)



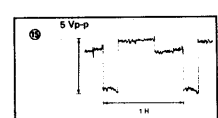
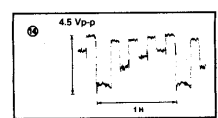
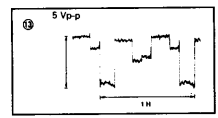
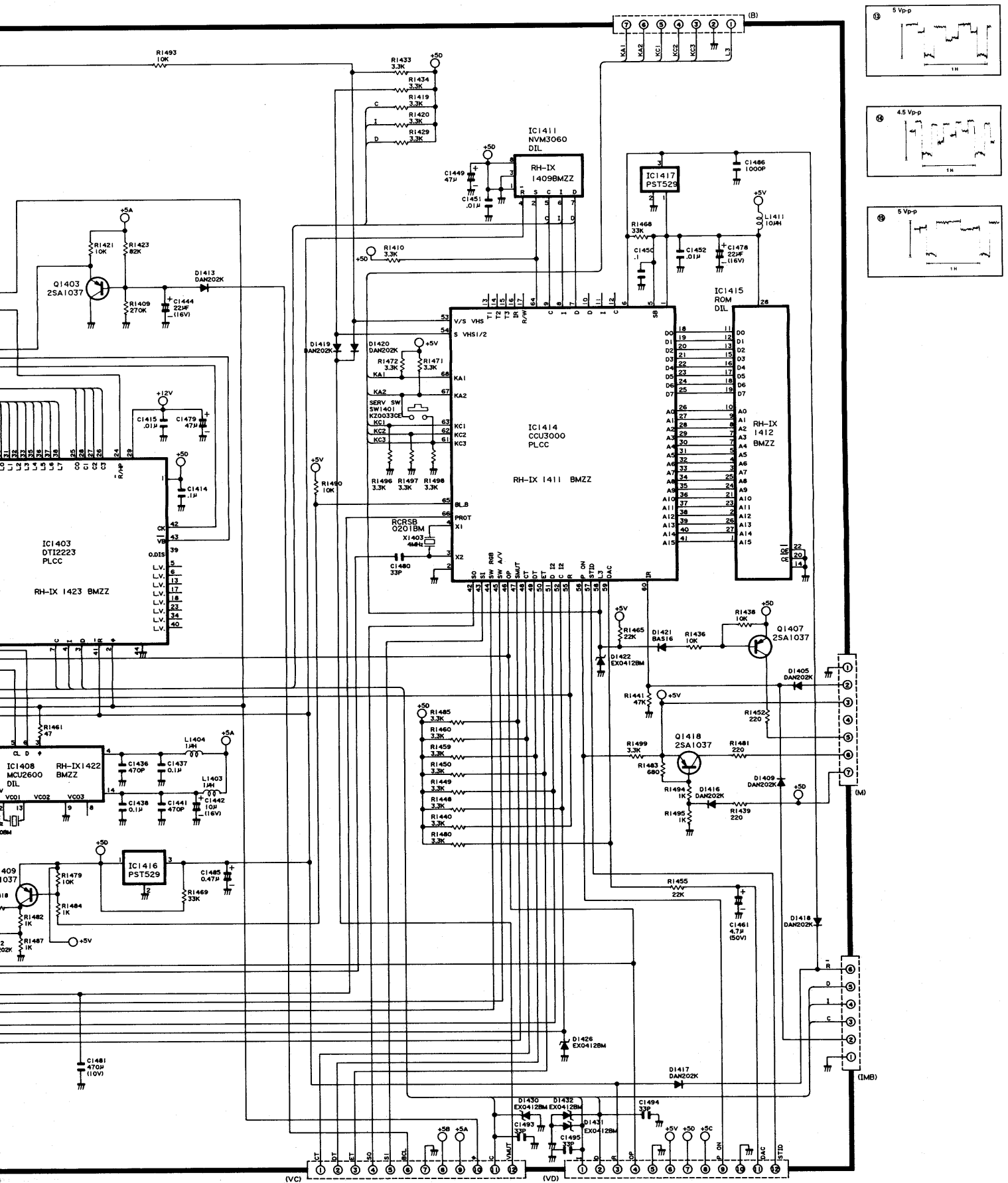
# SCHEMATIC DIAGRAM MOTHER UNIT





H  
H

DV-5903H  
DV-6603H

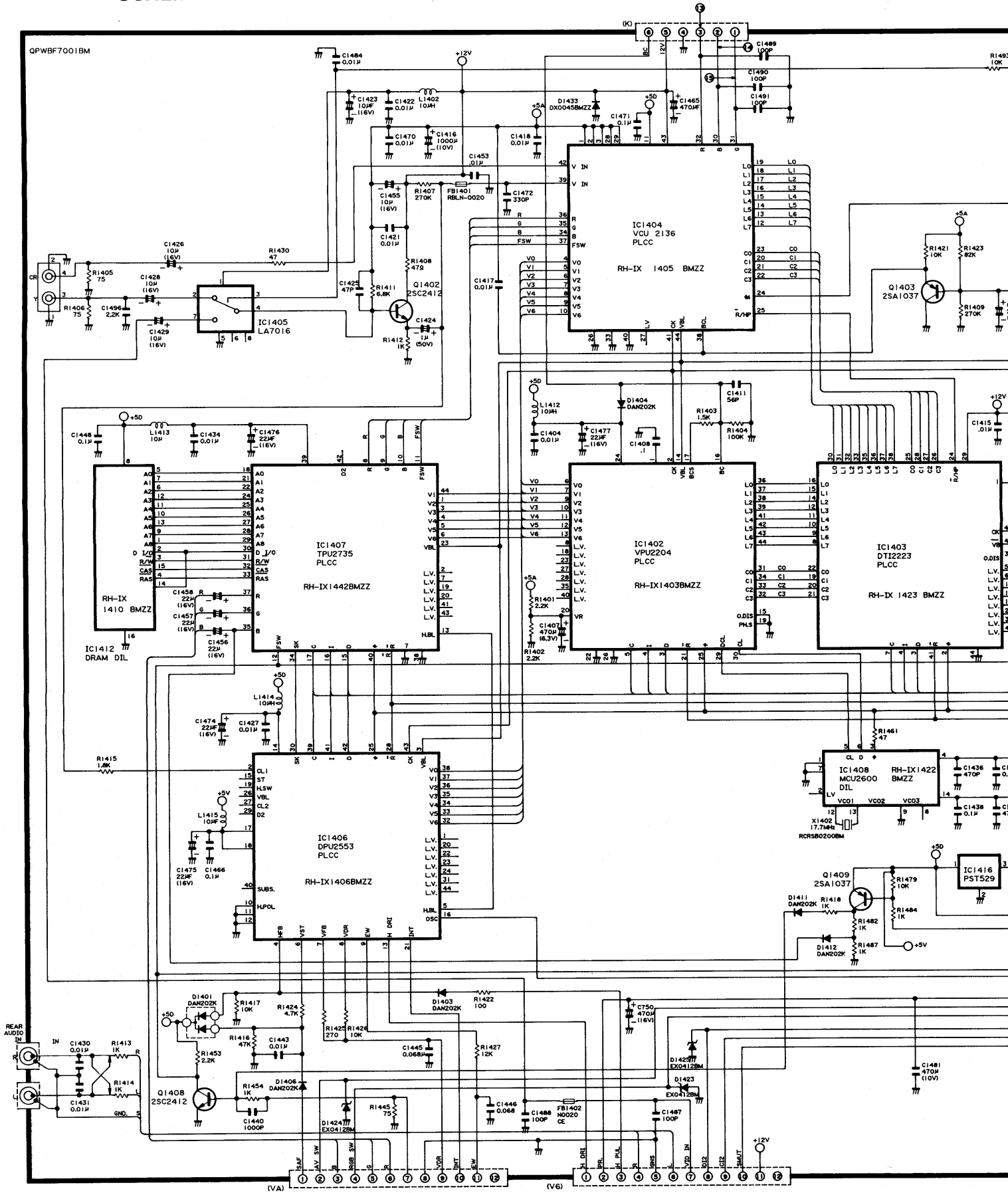


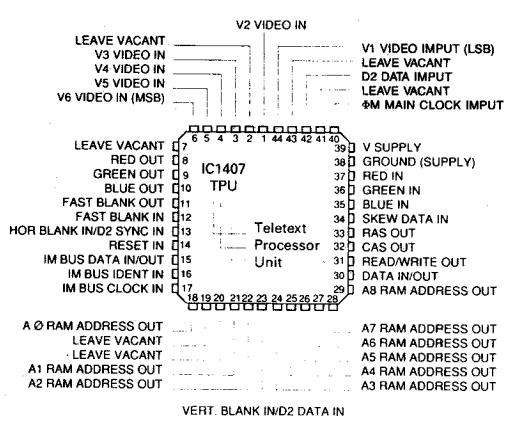
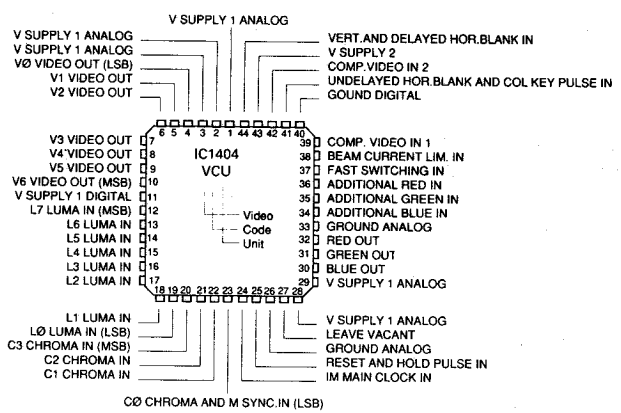
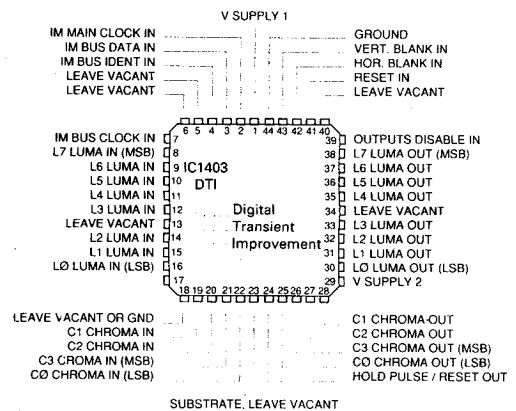
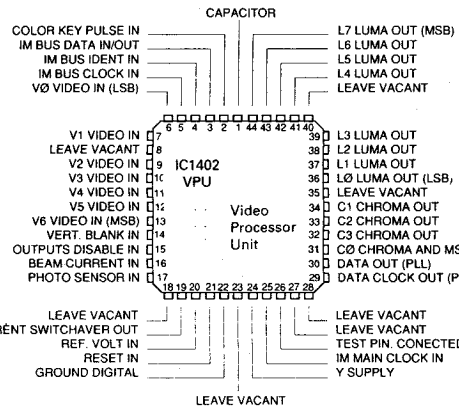
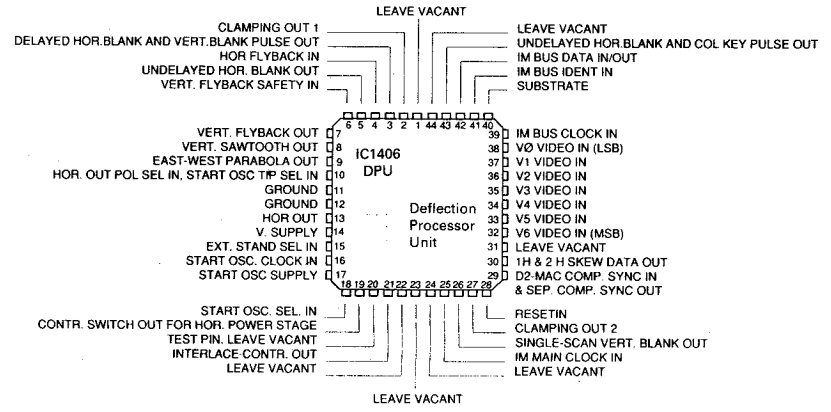
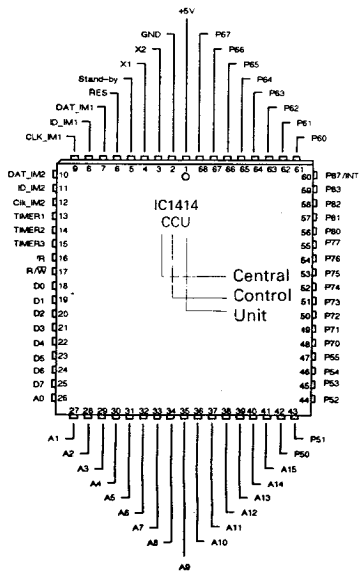
(VC)

(VD)

(IMB)

# SCHEMATIC DIAGRAM VIDEO UNIT

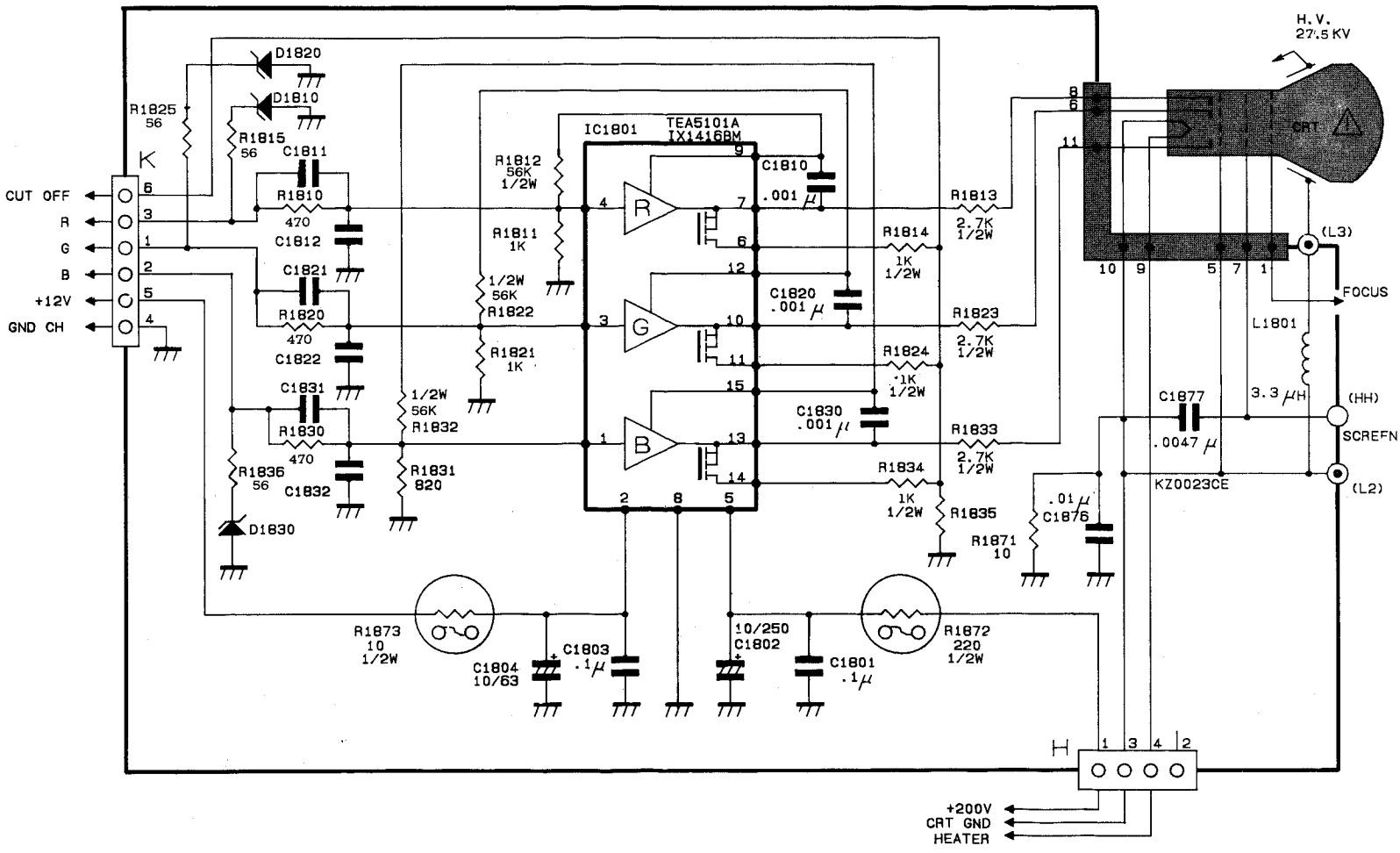




## ABBREVIATIONS AS SHOWN ON THE VIDEO UNIT SCHEMATIC DIAGRAM

VA1	SAF	= SAFETY. Picture tube protection against burning in case of malfunction of vertical deflection.
VA2	AV SW	= AV, switching.
VA3	B	= Blue.
VA4	RGB SW	= RGB, switching. VA4
VA5	G	= Green.
VA6	R	= Red.
VA7	FSW	= Fast Switching (fast blanking input).
VA8	GNA	= Analog ground.
VA9	VDR	= Vertical drive.
VA10	INT	= Interface control output: vertical stage control in non interlace mode.
VA11	EW	= East/West parabola output.
VB1	H.DRI	= Horizontal driver output.
VB2	PR	= CCU input protection-functional blocking.
VB3	H PUL	= Horizontal pulse.
VB4	R	= Right (Audio channel).
VB5	GNS	= Ground Sound.
VB6	L	= Left (Audio channel).
VB7	VID IN	= Video input.
VB8	DI 2	= I2C Data.
VB9	CI 2	= I2C Clock.
VB10	S MUT	= Sound Mute.
VB11		= + 12 v.
VC1	CT	= Clock Tuner.
VC2	DT	= Data Tuner.
VC3	ET	= Enable Tuner.
VC4	S0	= Tuner variables.
VC5	S1	= Tuner variables.
VC6	BCL	= Beam current limiter (ABL).
VC7	GNA	= Analog ground.
VC8	+ 5B	= 5V.
VC9	+ 5A	= 5V analog.
VC10		= Main clock, generated by MCU.
VC11	C	= IMBUS clock (IMC).
VC12	VMUT	= Video Mute.
VD1	I	= IMI (IMBUS identification).
VD2	D	= IMD (IMBUS data).
VD3	R	= Reset (low level function).
VD4	OP	= OPTION (not used).
VD5	GND	= Ground digital.
VD6	+ 5V	= 5 Volts standby.
VD7	+ 5D	= 5 Volts digital.
VD8	+ 5C	= 5 Volts clock.
VD9	P ON	= Power on.
VD11	DAC	= D/A converter Audio Control (not being controlled by IMBUS).
V0..V8		= Digitalized Video Signals.
L0..L7		= Digitalized Luminance Signals.
C0..C3		= Digitalized Chrominance Signals.
DV0..DV7		= Delayed digitalized Video Signals.
BL.B		= Blue back.
V/SVHS		= Switching Video to SVHS.
SVHS1/2		= Switching SVHS1 to SVHS2 (2 possible inputs).
KA1, KA2		= Keyboard Filters.
KC1, KC2, KC3		= Keyboard columns.
D0..D7		= Memory data signals.
A0..A15		= Memory address signals.
O DIS		= Output disable.

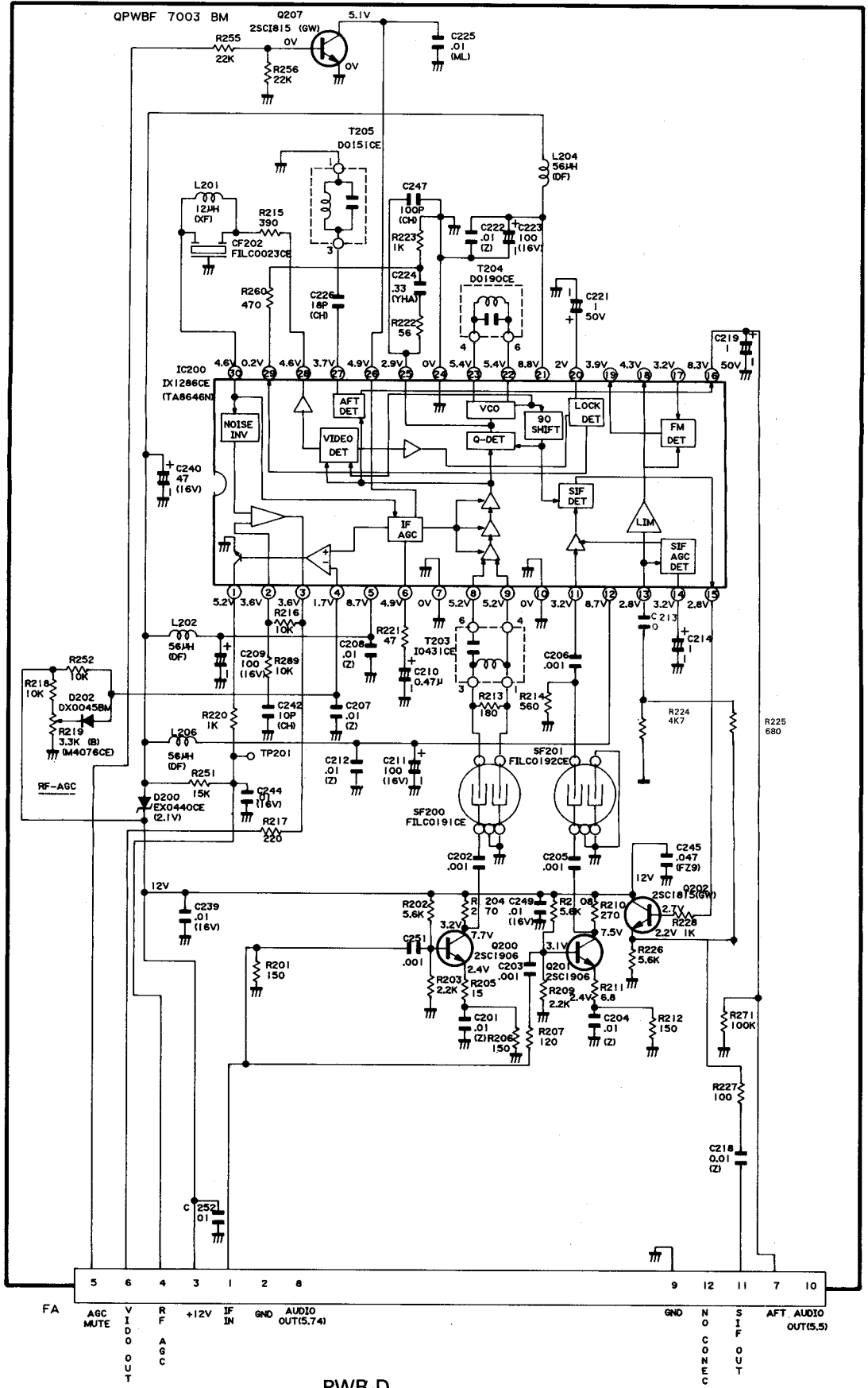




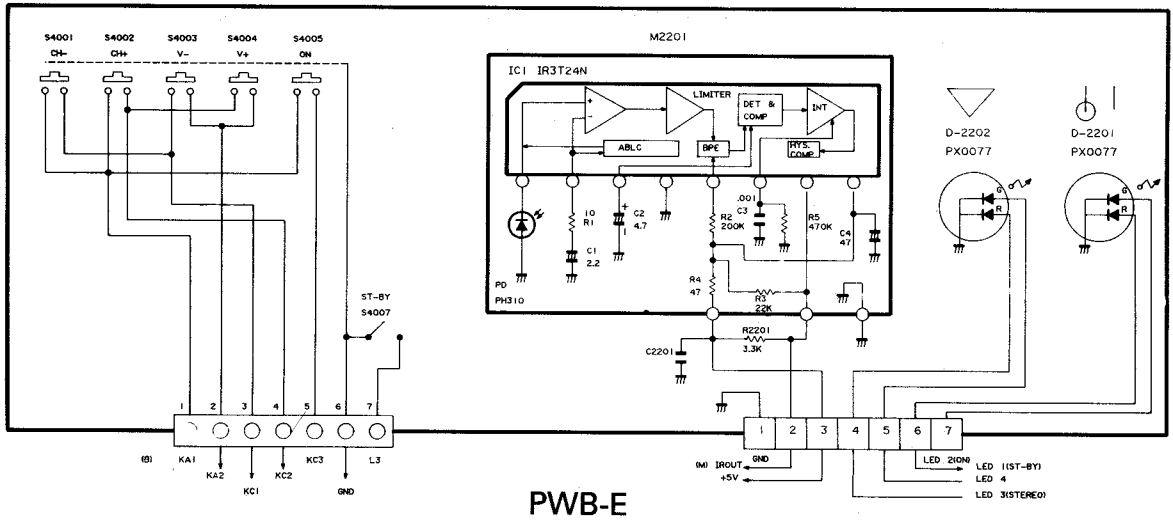
PWB-C

CRT UNIT

IF UNIT

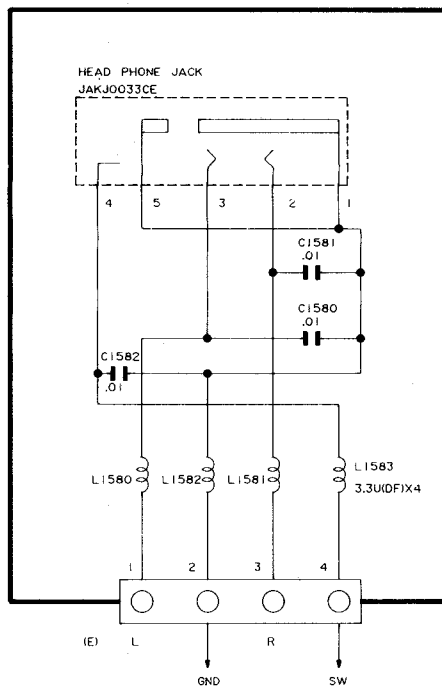


### KEY UNIT



PWB-E

### HEADPHONE UNIT



PWB-F

H

G

F

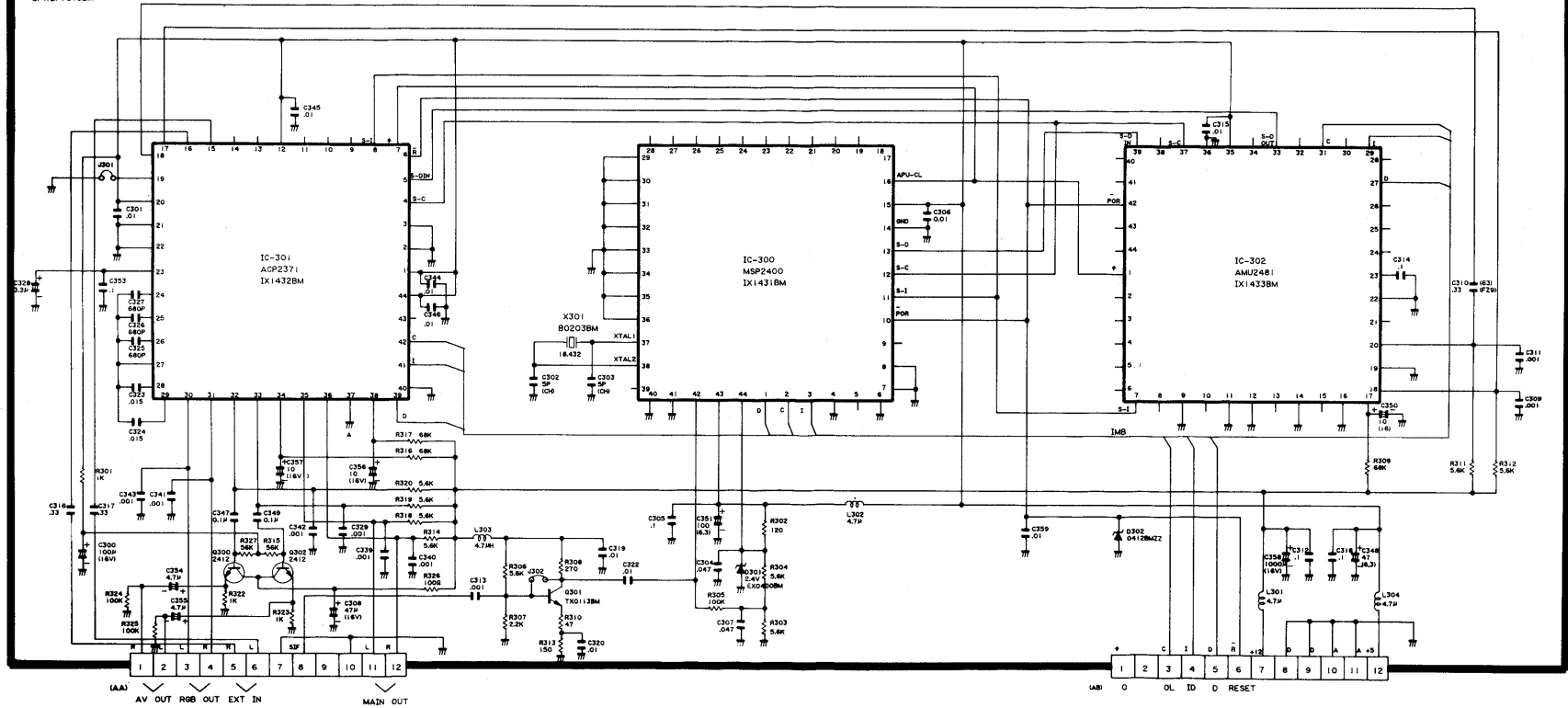
E

D

C

B

A



PWB-G

NICAM